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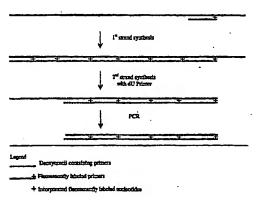
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(54) Title: PARTIALLY DOUBLE-STRANDED NUCLEIC ACIDS, METHODS OF MAKING, AND USE THEREOF

PCR Incorporation of Deoxyuracil-containing Oligonucleotide Primer



(57) Abstract: A process is disclosed for generating at least one partially double-stranded target nucleic acid, which contains at least one single-stranded region at a tenninal end. The process comprises the steps of (a) providing at least one primer, P1, containing at least one labile nucleotide; (b) combining at least one target nucleic acid sequence with P1 to generate a double-stranded polynucleotide containing at least one labile nucleotide; (c) exposing the double-stranded polynucleotide to conditions that promote single-strand cleavage of the polynucleotide at the site of the at least one labile nucleotide of primer P1; and (d) exposing the cleaved polynucleotide to conditions that promote the dissociation of the cleaved portions of primer P1 from a terminal end. The labile nucleotide may be dUTP, wherein the single-stranded cleavage of the polynucleotide at the site of the labile nucleotide occurs by treatment with uracil N-glycosylase.



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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, MEDLINE

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X	WO 95 06753 A (US GOVERNMENT) 9 March 1995 (1995-03-09) see abstract,pages 6-7	1-50
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INTERNATIONAL SEARCH REPORT

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